

Dms 2283

* MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LEEDER 1064-K

ARDROX INC.
16961 Knott Avenue La Mirada, CA 90638

(714) 739-2821

CHEMTREC EMERGENCY TELEPHONE: 800-424-9300

EFFECTIVE DATE: 26 OCT 1988

I. HAZARDOUS INGREDIENTS:

COMPONENT:	WT %	EXPOSURE LIMITS TO AIR		
		CAS NO.	ACGIH TLV	OSHA
Isopropyl Alcohol	10.00	67-63-0	400 ppm	400 ppm
Methyl Ethyl Ketone	64.00	78-93-3	200 ppm	200 ppm
Toluene	10.00	108-88-3	100 ppm	200 ppm
n-Butyl Acetate	*	123-86-4	150 ppm	200 ppm

*Not listed as Toxic Chemical on SARA TITLE III; Section 313, Toxic Chemical List; therefore, disclosure of weight percent information is not required.

II. PHYSICAL DATA:

MELTING POINT: NA	SPECIFIC GRAVITY: 0.835
BOILING POINT: (175-260)°F	SOLUBILITY IN WATER: Appreciable
VAPOR PRESSURE (mm Hg): 62.1	EVAPORATION RATE(BuAc=1): >1
VAPOR DENSITY (Air=1): >1	PH: NA
ODOR: Solvent odor.	
APPEARANCE: Clear liquid.	Vapor Pressure for AQMD:44.50 (calculated)

III. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: 22°F
METHOD USED: T.O.C.
AUTOIGNITION TEMPERATURE: NA
FLAMMABLE LIMITS: UPPER: NA LOWER: NA
EXTINGUISHING MEDIA: Dry Chemical. CO₂. Alcohol foam.

FIRE AND EXPLOSION HAZARDS:

Component(s) have high fire hazard when exposed to heat or flame. Vapors of one component are heavier than air and may travel to sources of ignition; flashfire can result. Closed containers exposed to heat may explode. Contact with strong oxidizers may cause fire.

SPECIAL FIRE FIGHTING PROCEDURES:

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Wear goggles and self-contained breathing apparatus. Use water to keep fire-exposed containers cool and to flush spills away from fire. In the case of large fires also cool surrounding equipment and structures with water.

IV. REACTIVITY:

STABILITY: Stable

CONDITIONS TO AVOID:

Excessive Heat. Flames and sparks. Ignition sources.

HAZARDOUS POLYMERIZATION:

Will Not Occur

INCOMPATIBILITY:

Strong oxidizing and reducing agents. Strong acids. Caustics.

HAZARDOUS DECOMPOSITION PRODUCTS:

Organic compounds on combustion. Carbon monoxide and carbon dioxide on combustion.

V. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS

CAUTION:

Use appropriate protective and safety equipment. See Section VIII of this Material Safety Data Sheet for handling precautions.

SMALL SPILL:

Mop up or soak up with non-combustible absorbent inorganic material. Transfer to DOT-approved container.

LARGE SPILL:

Contain by diking with non-combustible absorbent inorganic material. Prevent runoff from entering sewers, storm drains, surface water, and soil. Transfer contaminated absorbent to a DOT-approved container.

WASTE DISPOSAL INFORMATION:

Dumping into sewers, on the ground, or into any body of water is strongly discouraged and is illegal. Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

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Comply with all applicable government regulations on spill reporting and handling and disposal of waste. Empty containers can have residues, gases, and mists, and are subject to proper waste disposal.

VI. HEALTH HAZARD DATA:

BREATHED:

Exposure to concentrations of 100-300 ppm of one component causes nose and throat irritation; higher concentrations cause more severe irritation, headache, nausea, drowsiness, dizziness, and incoordination. Excessive exposure to high conc. may be fatal. Breathing of vapors may cause nausea, vomiting, headache, or loss of consciousness.

SKIN CONTACT:

Brief contact may dry the skin. Prolonged or repeated contact may irritate the skin, causing dermatitis. Effects may be delayed.

SKIN ABSORPTION:

A single, prolonged exposure may result in the material being absorbed in harmful amounts. Effects may be similar to those described under other categories in this section.

EYE CONTACT:

May cause severe irritation with corneal injury which may result in permanent impairment of vision or even blindness. Vapors cause slight to moderate irritation with discomfort, tearing, or blurred vision, depending on the concentration.

SWALLOWED:

Swallowing a component(s) may cause nausea, vomiting, and diarrhea and possibly unconsciousness.

SYSTEMIC AND OTHER EFFECTS:

Repeated excessive exposure may injure LIVER and KIDNEY. Long-term repeated exposure to high concentrations of vapor or mist of a component(s) may result in CENTRAL NERVOUS SYSTEM depression and narcosis.

MEDICAL CONDITIONS AGGRAVATED:

Component(s) of this product may aggravate pre-existing eye diseases. Component(s) of this product may aggravate pre-existing lung (pulmonary) disease. Persons with pre-existing skin conditions may be susceptible to the effects of a component(s) of this product.

SUSPECTED CANCER AGENT:

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FEDERAL OSHA
No

CA OSHA
No

NTP
No

IARC
No

TARGET ORGANS, OTHER THAN THOSE IMPLIED BY ROUTES OF ENTRY (I.E., BREATHED, INCLUDES RESPIRATORY TRACT AND LUNGS) ARE CAPITALIZED.

VII. FIRST AID:

BREATHED:

Remove victim to fresh air at once. If not breathing, give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Keep victim warm and at rest. GET IMMEDIATE MEDICAL ATTENTION.

SKIN:

Wash skin immediately with lots of soap and water. If clothes and shoes are contaminated, remove and wash before reuse. Get medical attention if ill effect or irritation develops.

EYES:

Wash eyes immediately with running water for at least 30 minutes. Use fingers to assure that eyelids are separated and that eye is being washed. Lift the lower and upper lid occasionally. GET IMMEDIATE MEDICAL ATTENTION.

SWALLOWED:

DO NOT INDUCE VOMITING. If victim is conscious, give large amounts of water. Do not attempt to give fluids to unconscious victim. GET MEDICAL ATTENTION.

NOTE TO PHYSICIAN:

Supportive care: Treatment based on judgement of physician in response to reactions of patient.

VIII. HANDLING PRECAUTIONS:

VENTILATION:

Control airborne concentrations below exposure guidelines (Section I) with MECHANICAL VENTILATION, if necessary. Local explosion-proof EXHAUST VENTILATION may be necessary for some operations.

RESPIRATORY PROTECTION:

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Atmospheric levels should be maintained below exposure guidelines. When respiratory protection is required for certain operations, use a NIOSH-approved cannister-type respirator. In confined or poorly ventilated areas or for emergency and other conditions where the exposure guidelines may be greatly exceeded, use an approved positive-pressure, self-contained breathing apparatus.

EYE PROTECTION:

Contact lenses should not be used. Suggested protection is safety glasses, but where contact with liquid is likely, chemical goggles or face shields are recommended.

SKIN PROTECTION:

Impermeable gloves are recommended. When prolonged or frequently repeated contact could occur, use protective clothing. Selection of specific items such as boots, apron, or full-body suit will depend on operation. Wash thoroughly after handling chemicals.

SPECIAL EQUIPMENT:

Suitable laboratory equipment would include safety showers and eye washes.

IX. STORAGE AND HANDLING:

Train all employees on all special handling procedures in this section before they work with this product. Exercise reasonable care and caution. Personnel should avoid breathing vapors and/or mists and getting product in the eyes or on the skin. DO NOT CONSUME food, drink, or tobacco in areas where they may become contaminated with this material. Keep containers cool, dry, and away from sources of ignition. DO NOT STORE product in direct sunlight, high temperature, or below freezing areas. Keep product container tightly closed when not in use. Protect containers from physical damage. Use and store with adequate ventilation. DO NOT cut, grind, weld or drill on or near this container. Ground all equipment. Wash thoroughly after using.

X. OTHER PRECAUTIONS:

None Abbreviations: NA:Not Available; N.D.:Not Determined.

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Prepared by: 
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